



CETCO MONARCH CPI & SCPI Oil Water Separators

technical specifications

Integrated design engineered and manufactured exclusively by CETCO MONARCH™ for both oilfield and industrial oil & water separation applications.

- High Performance and Reliability
- No Moving Parts and Fully Customizable Design
- Standard Models to 103,000BBWPD/3,000 GPM
- API 421 Design & ASME Code Vessel Available
- Complete Skid Mounted Packages Available

Performance, Value, and Quality

For various oilfield and industrial separation applications, the CETCO MONARCH Corrugated Plate Interceptor (CPI) fulfills all of the prerequisites necessary for separation of oil, water, and solids from a wastewater or produced water stream. Released from frustrations associated with nonperformance, size and costs of most separation equipment, buyers and end-users alike enjoy a technology epitomizing performance, value, and quality.

A leading Standard in Oil/Water Separation

For more than three decades, CETCO MONARCH has engineered and manufactured CPI's that emphasize complete customer satisfaction. With their combination of removal efficiency, maintainability, and durability, the CETCO MONARCH CPI Separator remains a paragon of oil, water, and solids separation technology. The results speak for themselves. With well over two thousand worldwide installations, CETCO MONARCH's CPI Separator is the preferred technology for oil, water, solids separation.



CETCO MONARCH™ Atmospheric CPI Oil Water Separator



CETCO MONARCH™ ASME Coded CPI Oil Water Separator

Applications

- Oil/Water Separation in Petroleum Refineries
- Oil/Produced Water Separation on Platforms
- Treating Ship/Terminal Bilge & Ballast Water
- Oil Separation from Industrial Wastewaters
- Oil/Water Separation in Chemical Plants
- Oil Removal From Environmental Remediation

WATER TREATMENT | PIPELINE | WELL TESTING | WASTEWATER | RENTALS | NITROGEN | COILED TUBING



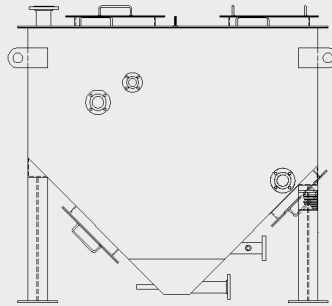
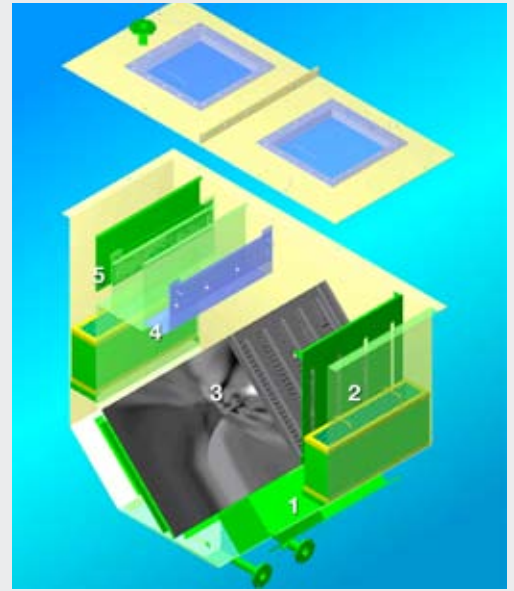
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OILFIELD
SERVICES

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Operation of the CETCO MONARCH CPI Separator

Operation of the CETCO MONARCH CPI Separator is simple and efficient. (1) Liquid flow is introduced into the CETCO MONARCH CPI separator via gravity or at a specific pressure. (2) The CETCO MONARCH CPI Separator distributes flow and creates the necessary laminar flow for proper oil & water separation. (3) The CETCO MONARCH CPI Separator and its internal CETCO MONARCH CPI Pack provides the necessary surface area to successfully separate oil from water and solids into their various distinct phases. (4) The lighter liquid or oil flows upwards and discharges via the CETCO MONARCH CPI Separator oil discharge sump. (5) The heavier liquid or water and flows downward and discharges via the CETCO MONARCH CPI Separator water discharge sump. CETCO MONARCH's CPI Separator is designed to many U.S. industrial codes and incorporates advanced features such as a unique packaging design to enhance space and maintainability, long lasting materials of construction to extend the life of the system, and a flexible design providing an array of sizes, connections, and ancillary choices to meet individual client needs and requirements.



General Specifications

Functional

Service

- Oil Production
- Refining
- Chemical Processing
- Wastewater Treatment
- Hazardous Waste Remediation

Design Temperatures

Standard

- Up to 200F (93C)
- Custom Available

Design Flow Rates

Standard

- 103,000BBWPD/3,000 GPM
- Larger Flow Rates Available

Physical

Material of Construction

Tank or Vessel

- A-36 or 516 Gr. 70
- 304 or 316 SS
- Custom Available

Packs

- 304 or 316 SS
- Galvanized
- Custom Available

Gasket

- Neoprene
- Viton
- Custom Available

Hardware

- 304 or 316 SS
- Teflon Coated Available

Options

Packaged Systems

ASME Section VIII, Div. I Vessel

- Piping per Code
- Fully Tested
- Customization Available
- Various Materials of Construction

PLC Based Control System

- Complete System Functionality
- Remote DCS or Local Control

Complete Instrumentation Package

- Process Control, Indication
- Integral Design

Pumping System

- Various Designs and Capabilities
- Automated Process

